



Damage Controlman 3 & 2

Only one answer sheet is included in the NRTC. Reproduce the required number of sheets you need or get answer sheets from your ESO or designated officer.

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0503LP5004720

Although the words “he,” “him,” and “his” are used sparingly in this manual to enhance communication, they are not intended to be gender driven nor to affront or discriminate against anyone reading this material.

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Specific Instructions and Errata for
Nonresident Training Course

DAMAGE CONTROLMAN 3 & 2, NAVEDTRA 80572

1. This errata supersedes all previous erratas. No attempt has been made to issue corrections for errors in typing, punctuation, etc., that do not affect your ability to answer the question or questions.
2. To receive credit for deleted questions, show this errata to your local course administrator (ESO/scorer). The local course administrator is directed to correct the course and the answer key by indicating the questions deleted.
3. Assignment Booklet, NAVEDTRA 80572.

a. Delete the following questions, and leave the corresponding spaces blank on the answer sheets:

<u>Questions</u>	<u>Questions</u>
1-14	1-15
1-16	1-43
1-63	2-43
4-19	4-24
4-20	4-52
4-21	5-32
5-48	5-49
5-53	5-54
5-55	6-21
6-22	6-29
6-57	6-58
6-59	7-23

b. Make the following changes to the Textbook Assignment Heading:

Assignment 2, change "pages 2-25 through 3-30" to read "pages 2-15 through 3-20."

Assignment 4, change "pages 5-11 through 5-64" to read "pages 5-7 through 5-47."

Assignment 6, change "pages 7-9 through 8-12" to read "pages 7-9 through 8-15."

Assignment 7, change "pages 8-12 through 10-10" to read "pages 8-14 through 10-13."

DAMAGE CONTROLMAN 3 & 2

NAVEDTRA 80572

Prepared by the Naval Education and Training Program Development
Center, Pensacola, Florida

THE TEXT FOR THIS COURSE IS DAMAGE CONTROLMAN 3 & 2, NAVEDTRA 10572.

Congratulations! By enrolling in this course, you have demonstrated a desire to improve yourself and the Navy. Remember, however, this self-study course is only one part of the total Navy training program. Practical experience, schools, selected reading, and your desire to succeed are also necessary to successfully round out a fully meaningful training program. You have taken an important step in self improvement. Keep up the good work.

HOW TO COMPLETE THIS COURSE SUCCESSFULLY

ERRATA: If an errata comes with this course, make all indicated changes or corrections before you start any assignment. Do not change or correct the Rate Training Manual (RTM) or assignments in any other way.

Textbook assignments: The RTM pages that you are to study are listed at the beginning of each assignment. Study these pages carefully before attempting to answer the questions in the course. Pay close attention to tables and illustrations because they contain information that will help you understand the text. Read the learning objectives provided at the beginning of each chapter or topic in the text and/or preceding each set of questions in the course. Learning objectives state what you should be able to do after studying the material. Answering the questions correctly helps you accomplish the objectives.

Black Dot Information: Black dots (●) may be used in the text and correspondence course to emphasize important or supplemental information and to highlight instructions for answering certain questions. Read these black dot entries carefully; they will help you answer the questions and understand the material.

SELECTING YOUR ANSWERS: After studying the text, you should be ready to answer the questions in assignment. Read each question carefully, then select the BEST answer. Be sure to select your answer from the subject matter in the RTM. You may refer freely to the RTM and seek advice and information from others on problems that may arise in the course. However the answers must be the result of your own work and decisions. You are prohibited from referring to or copying the answers of others and from giving answers to anyone else taking

the same course. Failure to follow these rules can result in suspension from the course and disciplinary action by the Commander, Naval Military Personnel Command.

SUBMITTING COMPLETED ANSWER SHEETS: It is recommended that you complete all assignment as quickly as practicable to derive maximum benefit from the course. However, as a minimum, your schedule should provide for the completion of at least one assignment per month—a requirement established by the Chief of Naval Education and Training. Failure to meet this requirement could result in disenrollment from the course.

TYPES OF ANSWER SHEETS: If you received Automatic Data Processing (ADP) answer sheets with this course, the course is being administered by the Naval Education and Training Program Development Center (NAVEDTRAPRODEVCCEN), and you should follow the instructions in paragraph A below. If you did NOT receive ADP answer sheets with this course, you should use the manually scored answer sheets attached at the end of the course and follow the direction contained in paragraph B below.

A. ADP Answer Sheets

All courses administered by the NAVEDTRAPRODEVCCEN include one blank ADP answer sheet for each assignment. For proper computer processing, use only the original ADP answer sheets. Reproductions are not acceptable.

Recording Information on the ADP Answer Sheets: Follow the "MARKING INSTRUCTIONS" on the answer sheet. Be sure that blocks 1, 2, and 3 are filled in correctly. Information is necessary for your course to be properly processed and for you to receive credit for your work.

As you work the course, be sure to mark your answer in the course booklet because your answer sheets will not be returned to you. When you have completed an assignment, transfer your answers from the course booklet to the answer sheet.

Mailing the Completed ADP Answer Sheets:
As you complete each assignment, mail the completed ADP answer sheet to:

Commanding Officer
Naval Education and Training
Program Development Center
Pensacola, FL 32559-5000

The answer sheets must be mailed in envelopes, which you must either provide yourself or get from the local Educational Services Officer (ESO). You may enclose more than one answer sheet in a single envelope. Remember, regardless of how many answer sheets you submit at a time, the NAVEDTRAPRODEVCECEN should receive at least once a month. NOTE: DO NOT USE THE COURSE COMMENTS PAGE AS AN ENVELOPE FOR RETURNING ANSWER SHEETS OR OTHER COURSE MATERIALS.

Grading: The NAVEDTRAPRODEVCECEN will grade your answer sheets and notify you by letter of any incorrect answers. The passing score for each assignment is 3.2. Should you get less than 3.2 on any assignment a blank ADP answer sheet will be enclosed with the letter listing the questions incorrectly answered. You will be required to redo the assignment and resubmit a new completed answer sheet. The maximum score that can be given for a resubmitted assignment is 3.2.

Course Completion: When you complete the last assignment, fill out the "Course Completion" form in the back of the course and enclose it with your last answer sheet. The NAVEDTRAPRODEVCECEN will issue you a certifying that you satisfactorily completed the course. You should make sure that credit for the course is recorded in your service record.

Student Questions: Any questions concerning this course should be referred to the NAVEDTRAPRODEVCECEN by mail using the address listed above or by telephone: AUTOVON 922-1329, FTS 948-1329, or commercial (904) 452-1329.

B. Manually Scored Answer Sheets

If you did not receive ADP answer sheets with this course, it is being

administered by your local command and you must use the answer sheets attached at the end of the course booklet.

Recording Information on the Manually Scored Answer Sheets: Fill in the appropriate blanks at the top of the answer sheet. This information is necessary for your course to be properly processed and for you to receive credit for your work. As you work the course, be sure to mark your answers in the course booklet, because your answer sheets will not be returned to you. When you have completed an assignment, transfer your answers from the course booklet to the answer sheet.

Submitting the Completed Manually Scored Answer Sheets: As you complete each assignment, submit the completed answer sheet to your ESO grading. You may submit more than one answer sheet at a time. Remember, you must submit at least one assignment a month.

Grading: Your ESO will grade the answer sheets and notify you of any incorrect answers. The passing score for each assignment is 3.2. Should you get less than 3.2 on any assignment, the ESO will not only list the questions incorrectly answered but will also give you a pink answer sheet marked "RESUBMIT." You will be required to redo the assignment and complete the "RESUBMIT." The maximum score that can be given for a resubmitted assignment is 3.2.

Course Completion: After you have submitted all the answer sheets and have earned at least a 3.2 on each assignment, your command will give you credit for this course by making the appropriate entry on Page 4 of your service record.

Student Question: Any questions concerning the administration of this course should be referred to your ESO.

NAVAL RESERVE RETIREMENT CREDIT

This course is evaluated at 14 Naval Reserve retirement points. Points will be credited in units upon satisfactory completion of the assignments as follow: Unit 1: 12 points upon satisfactory completion of assignments 1 through 6. Unit 2: 2 points upon satisfactory completion of assignment 7. These points are creditable to personnel eligible to receive them under current directives governing retirement of Naval personnel.

COURSE OBJECTIVES

In completing this NRCC, you will demonstrate knowledge of the subject matter by correctly answering questions on the following material: Damage Control Organization, Information, and Communications; Ship Compartmentation and Watertight Integrity; Fundamentals of Firefighting; Firefighting Equipment and Systems; Fighting the Fire; Battle Damage repair; Radiological effects and Countermeasures; Biological and Chemical Agents; and CBR Defense.

Naval courses may include several types of questions—multiple-choice, true-false, matching, etc. The questions are not grouped by type but by subject matter. They are presented in the same general sequence as the textbook material upon which they are based. This presentation is designed to preserve continuity of thought, permitting step-by-step development of ideas. Not all courses use all of the types of questions available. The student can readily identify the type of each question, and the action required, by inspection of the samples given below.

MULTIPLE-CHOICE QUESTIONS

Each question contains several alternatives, one of which provides the best answer to the question. Select the best alternative, and blacken the appropriate box on the answer sheet.

SAMPLE

- s-1. Who was the first person appointed Secretary of Defense under the National Security Act of 1947?

1. George Marshall
2. James Forrestal
3. Chester Nimitz
4. William Halsey

Indicate in this way on the answer sheet:

	1	2	3	4	
	T	F			
s-1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_ _ _

TRUE-FALSE QUESTIONS

Mark each statement true or false as indicated below. If any part of the statement is false the statement is to be considered false. Make the decision, and blacken the appropriate box on the answer sheet.

SAMPLE

- s-2. All naval officers are authorized to correspond officially with any systems command of the Department of the Navy without their respective commanding officer's endorsement.

1. True
2. False

Indicate in this way on the answer sheet:

	1	2	3	4	
	T	F			
s-2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_ _ _

MATCHING QUESTIONS

Each set of questions consists of two columns, each listing words, phrases or sentences. The task is to select the item in column B which is the best match for the item in column A that is being considered. Items in column B may be used once, more than once, or not at all. Specific instructions are given with each set of questions. Select the numbers identifying the answers and blacken the appropriate boxes on the answer sheet.

SAMPLE

In questions s-3 through s-6, match the name of the shipboard officer in column A by selecting from column B the name of the department in which the officer functions. Some responses may be used once, more than once, or not at all.

A. OFFICER

B. DEPARTMENT

- | | |
|-------------------------------|---------------------------|
| s-3. Damage Control Assistant | 1. Operations Department |
| s-4. CIC Officer | 2. Engineering Department |
| s-5. Disbursing Officer | 3. Supply Department |
| s-6. Communications Officer | |

Indicate in this way on the answer sheet:

	1	2	3	4	
	T	F			
s-3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_ _ _
s-4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_ _ _
s-5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_ _ _
s-6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_ _ _

Assignment 1

Textbook Assignment: "Introduction to Damage Control and Damage Control Organization, Information, and Communications," pages 1-1 through 2-14

<hr/> <p>Learning Objective: Recognize the functions and basic objective of shipboard damage control.</p> <hr/>	
1-1. A Damage Controlman has which of the following responsibilities?	1-4. Which of the following officers should know the most about the ship's weaknesses concerning damage control? 1. The division officer 2. The officer of the deck 3. The commanding officer 4. The command duty officer in port
1. Preserve watertight integrity 2. Instruct damage control parties 3. Carry out CBR defense 4. All of the above	1-5. Who keeps the command advised of the status of the ship's damage control readiness? 1. The command duty officer in port 2. The officer of the deck 3. The engineer officer 4. The executive officer
1-2. Damage control is defined as which of the following measures?	1-6. In order to perform his duties properly, the officer of the deck must be familiar with which of the following aspects of the ship? 1. The physical layout 2. The material condition 3. The established procedures for emergencies 4. All of the above
1. To preserve watertight integrity, stability, maneuverability, and offensive power 2. To control list and trim 3. To provide adequate protection against the effects of chemical and biological agents or noxious gases and nuclear radiation 4. All of the above	1-7. The command duty officer in port is generally NOT responsible for which of the following actions? 1. Knowing and understanding the correct course of action to be taken for various situations regarding damage control procedures 2. Advising the OOD in matters concerning the general duties and safety of the ship 3. Keeping informed of the ship's position and the status of the engineering plant 4. Relieving the OOD, when required for the safety of the ship, and notifying the commanding officer when such action is taken
1-3. Shipboard damage control does NOT include which of the following basic objectives?	
1. Minimizing and localizing damage 2. Accomplishing emergency repairs and restorations as quickly as possible 3. Taking all practicable preliminary measures before damage occurs 4. Maintaining auxiliary machinery and piping systems	
<hr/> <p>Learning Objective: Specify the major responsibilities of key personnel within a shipboard damage control organization.</p> <hr/>	

- 1-8. Department heads do NOT have which of the following responsibilities?
1. To ensure optimum material conditions of readiness with the department as prescribed by compartment checkoff lists provided by the damage control assistant
 2. To operate and maintain the main propulsion plant, auxiliary machinery, and piping systems
 3. To require that damage control equipment and fittings be maintained in their proper locations and in operating order
 4. To provide personnel to damage control, repair, fire, and rescue parties, as required by ship's organization bills
- 1-9. In carrying out chemical, biological, and radiological (CBR) defense procedures, the engineer officer acts as technical assistant to what officer?
1. The command duty officer
 2. The officer of the deck
 3. The executive officer
 4. The damage control assistant
- 1-10. An engineer officer does NOT have which of the following duties?
1. To organize repair (party) 5 in accordance with the battle bill
 2. To supervise the training of repair 5
 3. To assign appropriate engineering ratings to other repair parties in accordance with the battle bill
 4. To maintain a written damage control log
- 1-11. Who is in charge of training the ship's crew in fire fighting and emergency repairs?
1. The damage analyst
 2. The stability officer
 3. The casualty board operator
 4. The damage control assistant
- 1-12. The damage control watch officer does NOT have which of the following responsibilities?
1. To inform the engineer officer of any condition or practice that lowers the damage control readiness of the ship
 2. To maintain a written damage control log
 3. To report hourly to the OOD on the status of the ship's watertight integrity
 4. To ensure that the watch is taken, or computed if at sea, and logged daily on the 0400 to 0800 watch
- 1-13. The fire marshall does NOT have which of the following duties and responsibilities?
1. To train the ship's fire teams, rescue and assistance teams, and departmental damage control chief petty officer (DDCPO)
 2. To ensure that the master key to the repair lockers is issued only to authorized personnel
 3. To set up and train a ship's fire watch team and make their assignments
 4. To take charge at the scene until relieved at general quarters
- 1-14. In addition to coordinating the relief, training, and duties of DDCPOs, the qualified division senior petty officer, or designated DDCPO, performs other duties as directed by what officer?
1. The damage control assistant
 2. The fire marshal
 3. The duty section leader
 4. The type commander
- 1-15. The DDCPO and duty section leaders do NOT have which of the following responsibilities?
1. To assist in the instruction of division personnel in damage control, firefighting, and chemical, biological and radiological (CBR) defense procedures
 2. To supervise the setting of specified damage control material conditions within division spaces, and nuke required reports
 3. To establish and maintain an effective damage control organization
 4. To understand all phases of the damage control fire fighting and CBR defense procedures

- 1-16. On large ships, who is responsible for ensuring that all compartments, piping, cables, and damage control and fire-fighting equipment are properly stenciled or identified by color codes?
1. The DCA and fire marshal
 2. The DDCPO and duty DDCPOs
 3. The division leading petty officer
 4. The DDCPO and DCA

Learning Objective: Identify sources of information which support professional development in damage control.

- 1-17. Damage control books are furnished to all naval ships over 220 feet long and to some selected smaller ships.
1. True
 2. False

- 1-18. A record of all damage control books distributed is maintained by what command ?
1. Fleet commanders
 2. Force commander
 3. Division commanders
 4. NAVSEA

- 1-19. Who is normally the custodian of the damage control books?
1. The engineer officer
 2. The first lieutenant
 3. The executive officer
 4. The commanding officer

- 1-20. Which of the following statements concerning the damage control book is correct?
1. It is issued by NAVSEA only to ships less than 200 feet in length
 2. Copies should be in damage control central (DCC), at each repair party station, and at main engine control
 3. It covers the ship's damage control facilities, characteristics of the ships compartmentation, piping, and wiring systems
 4. It is issued by NAVSEA only to ships over 255 feet in length

- 1-21. The type commander is responsible for the preparation of a standard repair party manual for ships under his authority?
1. True
 2. False

- 1-22. A standard repair party manual does NOT include which of the following information?

1. The methods of investigating damage; necessary precautions, and means of reporting damage
2. A chain of command diagram
3. A secondary DCC description
4. The deck plans of the ship

- 1-23. Who is responsible for ensuring that the standard repair party manual is correct, complete, and up-to-date?

1. The commanding officer
2. The executive officer
3. The engineer officer
4. The DCA

- 1-24. When a ship is built for the Navy, who prepares the Ship Information Book?

1. NAVSEA
2. The builder
3. The type commander
4. The DCA

Learning Objective: Specify the objectives and functions of the damage control organization, recognizing the functions of key personnel assigned to damage control central and repair parties.

- 1-25. Which of the following statements best describes the basic objectives of the damage control organization?

1. Damage control is divided into two phases, battle damage and recovery
2. Damage control is concerned with repairs and recovery of damage sustained in battle only
3. Action taken to control damage is the result of training and material preparation during the recovery phase
4. Maximum material and personnel are ready before damage occurs and prompt and efficient measures are taken after damage occurs

- 1-26. The preventive aspects of damage control require the efforts of all departments for which of the following reasons?
1. To establish material conditions of readiness
 2. To train personnel
 3. To maintain the ship in the best possible condition to resist damage
 4. All of the above
- 1-27. The damage control administrative organization is part of the engineering department it includes DCC and various repair parties of the damage control organization.
1. True
 2. False
- 1-28. DCC personnel are under the direction of what officer?
1. The commanding officer
 2. The DCA
 3. The engineer officer
 4. The fire marshal
- 1-29. What is the best source of the information needed by DCC to adequately assess the nature and magnitude of damage?
1. The division officers
 2. The repair parties
 3. The department heads
 4. The petty officers
- 1-30. After evaluating the necessity of flooding magazines endangered by fire, DCC makes recommendations directly to what officer?
1. The division officer
 2. The DCA
 3. The commanding officer
 4. The engineer officer
- 1-31. Charts and diagrams should be posted and labeled properly by DCC to show which of the following information?
1. The damage sustained by the ship and the corrective action in progress, as obtained from repair party reports
 2. The subdivisions of the ship and its systems
 3. The location of flooding boundaries and the effect of list and trim caused by flooded compartments
 4. The action taken to correct damage control and electrical systems
- 1-54. Which of the following materials are used by DCC to indicate areas contaminated by CBR agents, the locations of battle dressing stations, decontamination stations, and safe routes to them?
1. Graphic displays
 2. Deck plans
 3. List of access routes
 4. Ship's blueprint
- 1-33. With respect to the composition of a repair party, which of the following factors need NOT be considered in designating succession to command of damage control?
1. Physical location of each locker
 2. Seniority of the repair locker officer
 3. Communication facilities available
 4. Number of personnel assigned to each repair locker
- 1-34. Which of the following repair parties are similar in composition?
1. Repair 1, 2, and 3
 2. Repair 2, 3, and 4
 3. Repair 3, 4, and 5
 4. Repair 4, 5, and 6
- 1-35. Whether on a large or small ship, repair 5 consists largely of what ratings?
1. Engineering
 2. Gunnery
 3. Operations
 4. Deck
- 1-36. Repair 6 would normally be under the supervision of what officer?
1. Damage control
 2. Medical
 3. Weapons
 4. Air
- 1-37. What team is organized within and administered as a unit of the weapons department?
1. Aviation fuel repair
 2. Ordnance disposal
 3. At-sea fire fighting
 4. Crash and salvage

- 1-38. Repair parties do NOT perform which of the following actions?
1. Decontaminating contaminated personnel and areas
 2. Controlling and extinguishing all types of fires
 3. Maintaining sound-powered phone circuits
 4. Ordering activation of magazine sprinkler systems
- 1-39. Which of the following repair parties have the responsibility for maintaining stability and buoyancy?
1. Repair 7 and 8
 2. Repair 5 and 6
 3. Repair 1, 2, 3, 4, and 5
 4. Repair 1, 2, 5, 6, and 7
- 1-40. A Stability Status Board (flooding effects diagram) is used for visual display of all flooding, flooding boundaries, corrective measures taken, and effects on list and trim.
1. True
 2. False
- 1-41. Which of the following repair parties maintains the ship's structural integrity?
1. Repair 7 and 8
 2. Repair 5 and 6
 3. Repair 1, 2, 3, 4, and 5
 4. Repair 1, 2, 3, and 4
- 1-42. Which of the following repair parties maintains, makes repairs, or isolates damage to main propulsion machinery and boilers?
1. Repair 1, 2, 3, and 4
 2. Repair 3, 4, 5, and 6
 3. Repair 5 only
 4. Repair 6 only
- 1-43. Repair 6 does NOT have which of the following responsibilities?
1. To operate magazine sprinkler systems and other ordnance systems
 2. To assist other repair parties in making full damage repairs
 3. To assist in operating and repairing steering control systems
 4. To make emergency repairs to all ordnance installations, including the supply and renewal of parts
- 1-44. what repair party maintains electronic equipment on selected ships?
1. Repair 5
 2. Repair 6
 3. Repair 7
 4. Repair 8
- 1-45. The crash and salvage team is responsible for making repairs of all types of hangar decks.
1. True
 2. False
- 1-46. On larger ships, repair 5 may be split to provide maximum use of manpower and equipment, and greater dispersal of personnel.
1. True
 2. False
- 1-47. On small ships not provided with a repair 5, appropriate repair parties are designated and assigned repair 5 functions by what officer?
1. The engineer officer
 2. The type commander
 3. The division officer
 4. The damage control assistant
- 1-48. On most ships, what minimum number of battle dressing stations is provided to handle battle casualties?
1. One
 2. Two
 3. Three
 4. Four
- 1-49. The at-sea fire party will carry out which of the following responsibilities?
1. Respond immediately to fire alarms when repair parties are not manned
 2. Extinguish small fires without disrupting other ship's operations
 3. Control fires until ongoing sensitive critical evolutions can be secured and general quarters stations can be manned and ready
 4. All of the above
- 1-50. Who is responsible for the organization and training of the at-sea fire party?
1. The damage control assistant
 2. The engineer officer
 3. The executive officer
 4. The commanding officer

1-51. The No. 1 nozzleman is injured fighting s
Normally, which of the following
people will replace him?

1. The No. 1 hoseman
2. The No. 1 plugman
3. The No. 2 hoseman
4. The No. 2 plugman

1-52. When assigned to do so, who assumes
overall charge of the in-port fire party?

1. The on-scene leader
2. The DCC supervisor
3. The duty engineer
4. The repair party officer

1-53. Who directs all efforts of the fire party
to combat an emergency situation?

1. The No. 1 nozzleman
2. The No. 2 nozzleman
3. The DCC supervisor
4. The on-scene leader

1-54. In the event of a collision or flooding,
a No. 1 plugman will be assigned which of
the following details?

1. Pumping
2. Pipe patching
3. Shoring
4. Plugging

1-55. The fire party electrician will report
that power is secured to which of the
following personnel?

1. The DCC supervisor
2. The on-scene leader
3. The damage control assistant
4. The engineer officer

1-56. In the event of a collision or flooding,
an accessman/compartments tester will be
assigned what detail?

1. Pipe patching
2. Plugging
3. Shoring
4. Pumping

1-57. What minimum number of CO₂ bottles are
required at the scene of a fire?

1. Two
2. Four
3. Six
4. Eight

1-58. In the event of a collision or flooding,
a foamman will be assigned what detail?

1. Shoring
2. Pipe patching
3. Pumping
4. Plugging

1-59. In the event of a collision or flooding
a sprinklerman will be assigned to what
detail?

1. Pumping
2. Shoring
3. Pipe patching
4. Plugging

Learning Objective: Interpret damage
control diagrams and recognize
standard symbols.

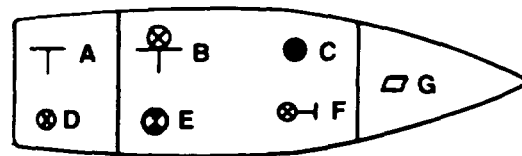


Figure 1A

IN ANSWERING QUESTION 1-60, REFER TO FIGURE
1A.

1-60. The value at B has what purpose?

1. To serve as a fireplug
2. To drain liquid from a deck
3. To permit fluid to flow through a
pipe in one direction only
4. To relieve the pressure in a steam
line

IN ANSWERING QUESTIONS 1-61 AND 1-62, ASSUME THAT YOU ARE ABOARD SHIP AND THAT TEXTBOOK FIGURE 2-4 IS ONE OF YOUR SHIP'S DAMAGE CONTROL DIAGRAMS.

1-61. If the firemain ruptures at the forward bulkhead in compartment 2-46-2-Q, which of the following valves must be secured to stop the flooding?

1. F2-57
2. FP2-50-1
3. F2-57, F2-42, and F2-40-4
4. FP 2-50-1 and F2-57

1-62. Suppose that flooding in compartment 2-46-2-Q is stopped. Rigging a jumper line between FP 2-63-1 and FP 2-14 will have which of the following effects?

1. To reflood the compartment
2. To introduce a back pressure on the forward firemain pump
3. To leave unchanged the firemain pressure between frames 33 and 40
4. To increase firemain pressure between frames 33 and 40

1-63. A section of piping and several valves are shown by dotted lines in an isometric damage control diagram. What information do the dotted lines convey?

1. Piping and valves cannot be bypassed in case of damage
2. Piping and valves are hidden from view
3. Piping and valves form part of an auxiliary system
4. The valves are to be secured to prevent flooding in case of damage to the piping

1-64. Pegboards in damage control are generally NOT used to maintain which of the following systems?

1. Main drain
2. Main stream
3. Firemain
4. Low pressure air system